

# Service Manual

Stereo Headphones

Headphones

RP-F1



Colour

(K)...Black Type

Area

Suffix for Model No.	Area	Colour
(E)	Europe.	(K)
(G)	Asia, Latin America, Middle Near East, Africa and Oceania.	

## SPECIFICATIONS

Design and specifications subject to change without notice.

- **Type:** Dynamic Stereo Headphones with 2-Way Double Drive System
- **Driver units:** Woofer:  $\varnothing 50$  mm  
Tweeter:  $\varnothing 30$  mm
- **Impedance:** 50 ohms at 1 kHz
- **Sensitivity:** 106 dB/mW
- **Rated power:** 300 mW

- **Power handling capacity:** 1,500 mW
- **Frequency response:** 2–30,000 Hz
- **Cord:** Approx. 3 m long
- **Plug:** Stereo miniplug, 3.5 mm diam.
- **Weight:** Approx. 340 g (without cord)  
Approx. 420 g

## ACCESSORY

With an included  
Stereo conversion plug adapter  
[mini plug ( $\varnothing 3.5$  mm) → large plug ( $\varnothing 6.3$  mm)]

## FEATURES

### 1. 2 Way Double Drive System

This two-way double drive system features special 30 mm high range and large 50 mm low range driver units.

### 2. Double Ear Pads

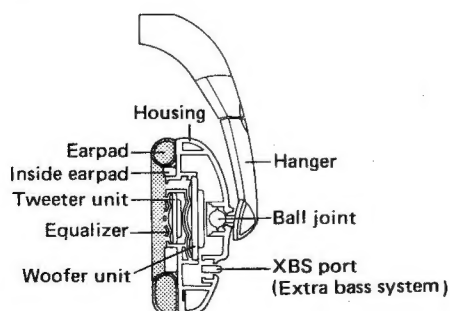
The newly designed Double Ear Pads ensure highly effective insulation to exterior noise and make these headphones extremely quiet to the outside. They also make wearing the headphones more stable and comfortable over long periods of time and contribute to the outstanding quality of the low range sounds.

### 3. Low-loss Signal Transmission

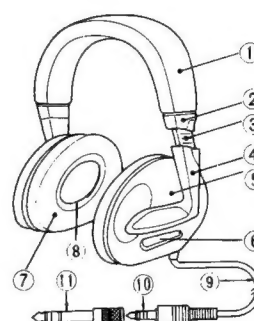
The use of a class 1LC-OFC Litz Wire Input Cord greatly decreases signal distortion, and the gold-plated plug minimizes losses in the signal transmission.

### 4. Ergonomic Form

For superb fit and wearing comfort, the sleek styling reflects latest advances in ergonomics.



## LOCATION OF CONTROLS



- ① Headpad
- ② Endcap
- ③ Slider
- ④ Hanger
- ⑤ Housing
- ⑥ XBS port (extra bass system)
- ⑦ Earpad
- ⑧ Inside earpad
- ⑨ Input cord
- ⑩ Input mini-plug  $\varnothing 3.5$  mm
- ⑪ Stereo conversion plug adapter [mini plug ( $\varnothing 3.5$  mm) to large plug ( $\varnothing 6.3$  mm)]

## HOW TO USE

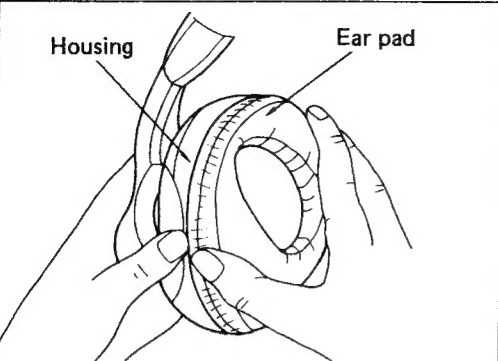
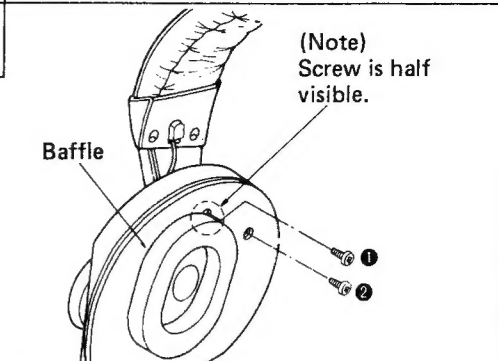
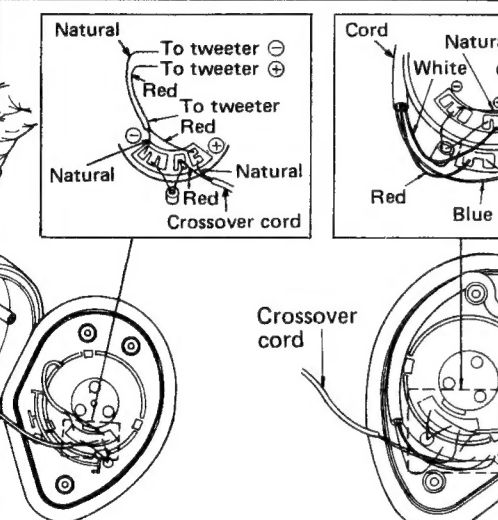
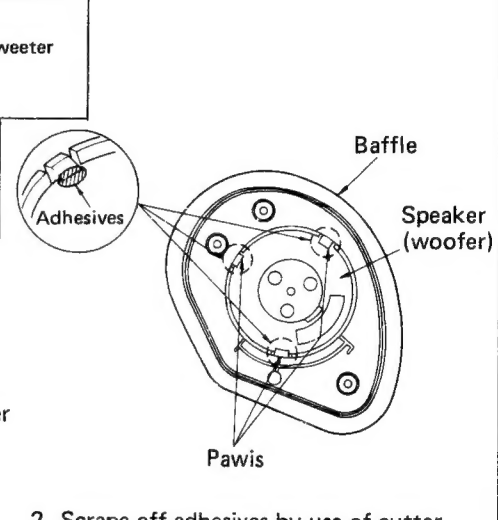
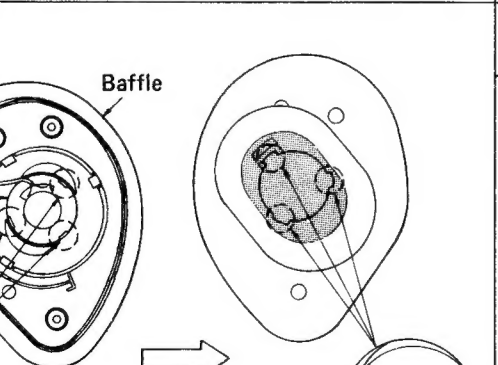
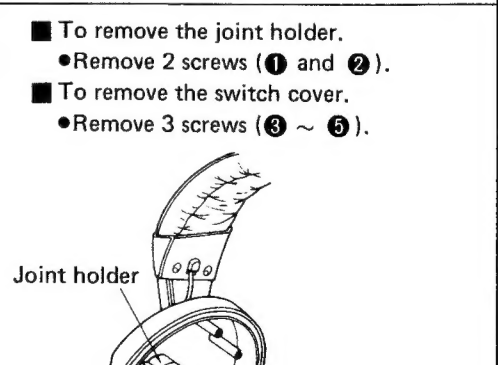
1. Be sure to adjust the volume control to its minimum position before connecting the headphone plug with the headphone jack. If an excessive loud volume is suddenly inputted, the headphones may be damaged.
2. Insert the plug into the headphone jack of your audio system.
3. The headphone housings have L (left) and R (right) indications printed on them.  
Be sure to put them on the right way. If the headphones do not fit correctly, adjust the sliders to obtain the most comfortable position.
4. Next, gradually raise the volume until the desired level is reached.
5. To connect the headphones to a system equipped with a large headphone jack, use the miniplug → large plug adaptor provided.

## CAUTION

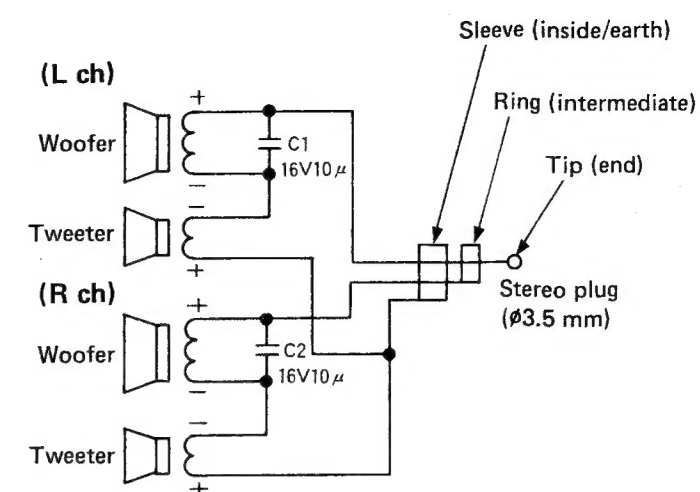
- Avoid listening with your headphones at a loud volume for an extended time.
- Avoid listening with your headphones while driving or cycling, etc. At a high volume outside sounds may become inaudible. Avoid using the headphones in situations where hearing must not be impaired.

# Technics

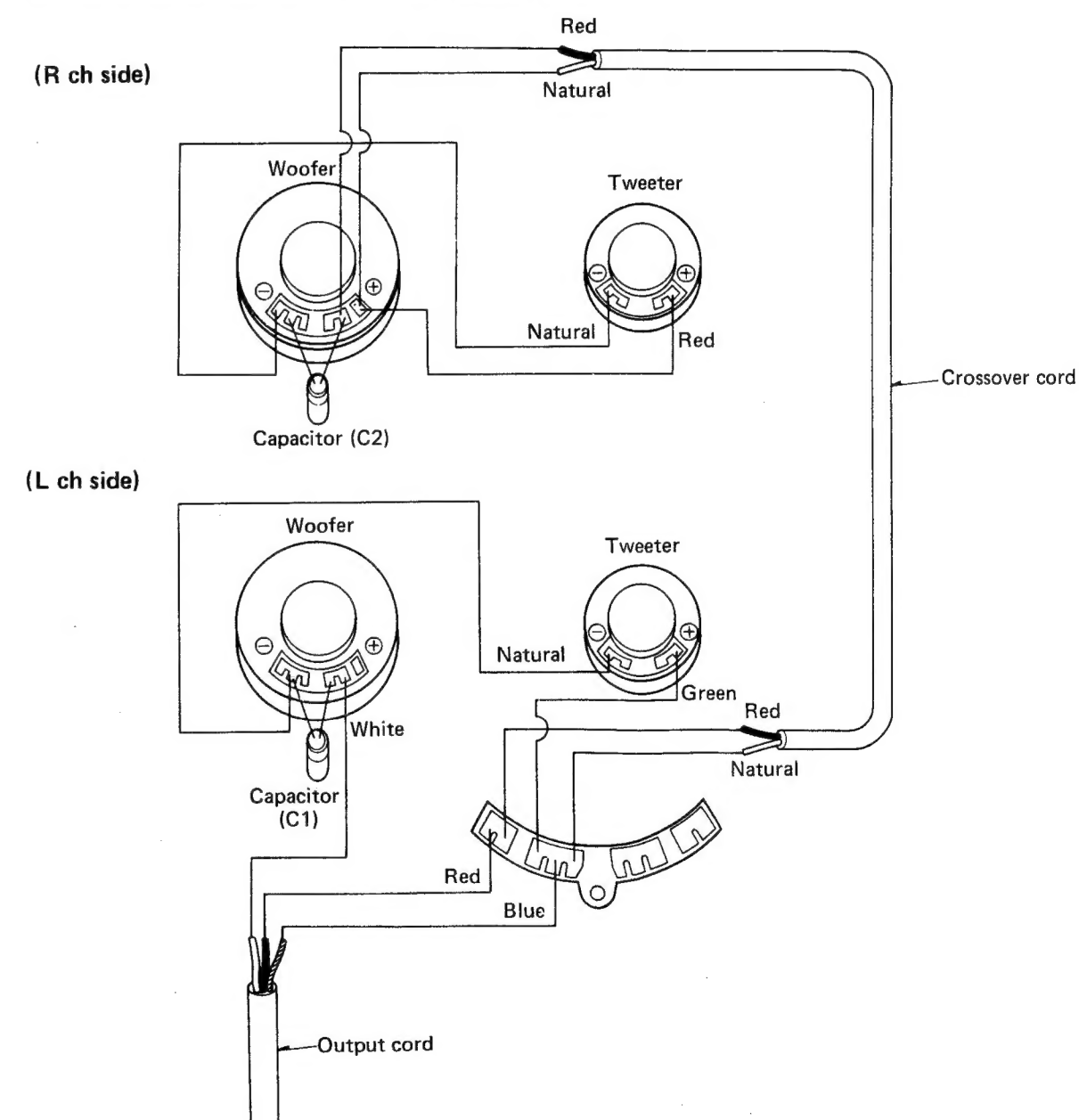
# DISASSEMBLY INSTRUCTIONS

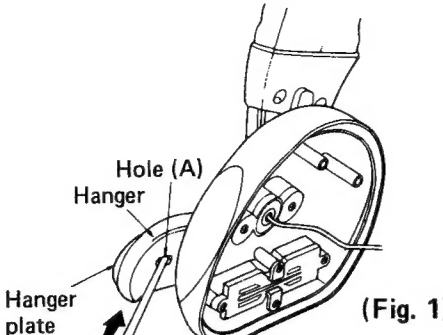
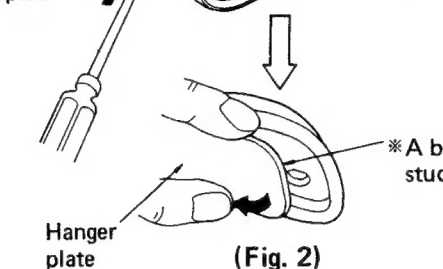
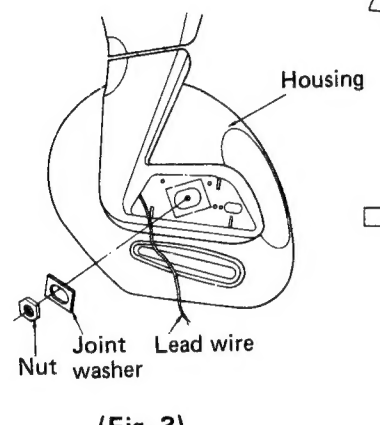
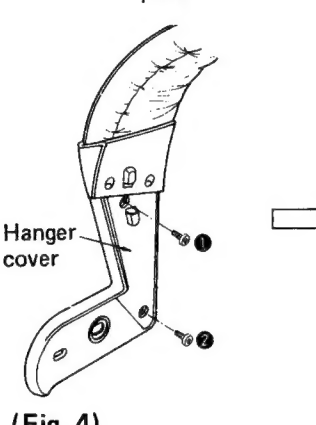
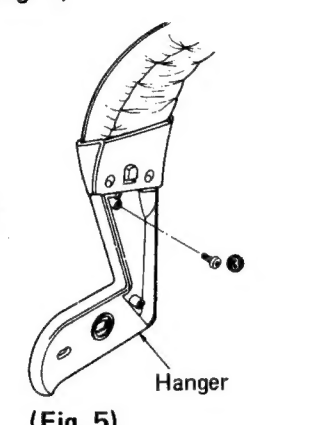
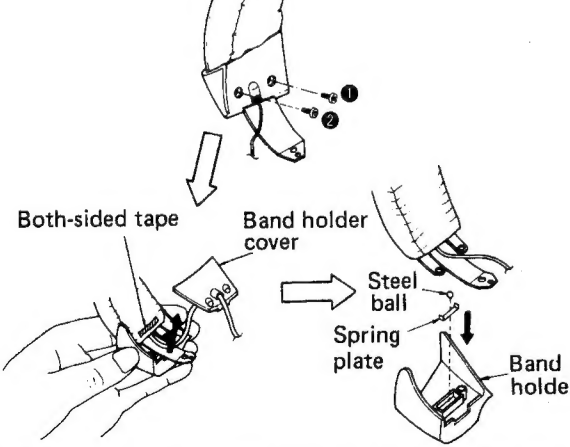
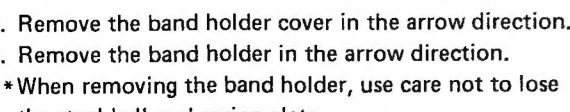
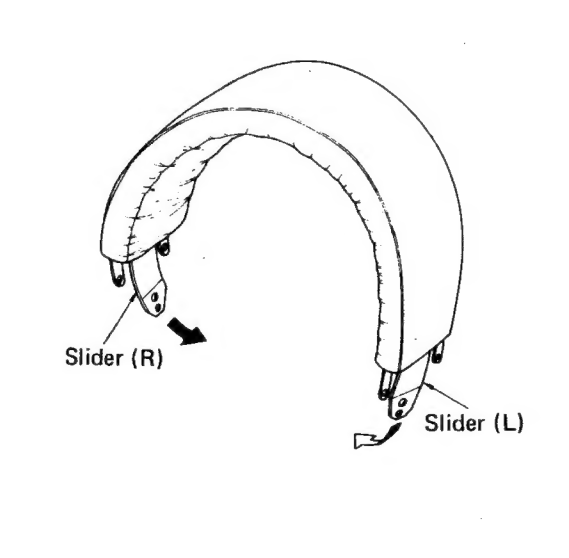
Ref. No. 1	Removal of the ear pad (both L and R sides)	Ref. No. 2	Removal of the baffle (both L and R sides)
<b>Procedure</b> 1	 <p>●Pick up and remove the ear pad covering the housing.</p>	<b>Procedure</b> 1→2	 <p>(Note) Screw is half visible.</p> <p>●Remove 3 screws (1 ~ 3).</p>
Ref. No. 3	Removal of the speaker (woofer) (both L and R sides)		
<b>Procedure</b> 1→2→3	 <p>(R ch side)</p> <p>(L ch side)</p> <p>1. Desolder leads (R ch side 4 places and L ch side 7 places).</p>		 <p>2. Scrape off adhesives by use of cutter knife or some other tool.</p> <p>3. Pushing 3 pawls lightly in respective arrow directions, demount the speaker.</p>
Ref. No. 4	Removal of the speaker (tweeter) (both L and R sides)	Ref. No. 5	Removal of the joint holder and switch cover (both L and R sides)
<b>Procedure</b> 1→2→3→4	 <p>1. Using a cutter knife, etc., scrape off adhesives.</p> <p>2. Lightly press each pawl (3 places) with a finger.</p>	<b>Procedure</b> 1→2→5	<p>■ To remove the joint holder.</p> <p>●Remove 2 screws (1 and 2).</p> <p>■ To remove the switch cover.</p> <p>●Remove 3 screws (3 ~ 5).</p> 

## ■ SCHEMATIC DIAGRAM

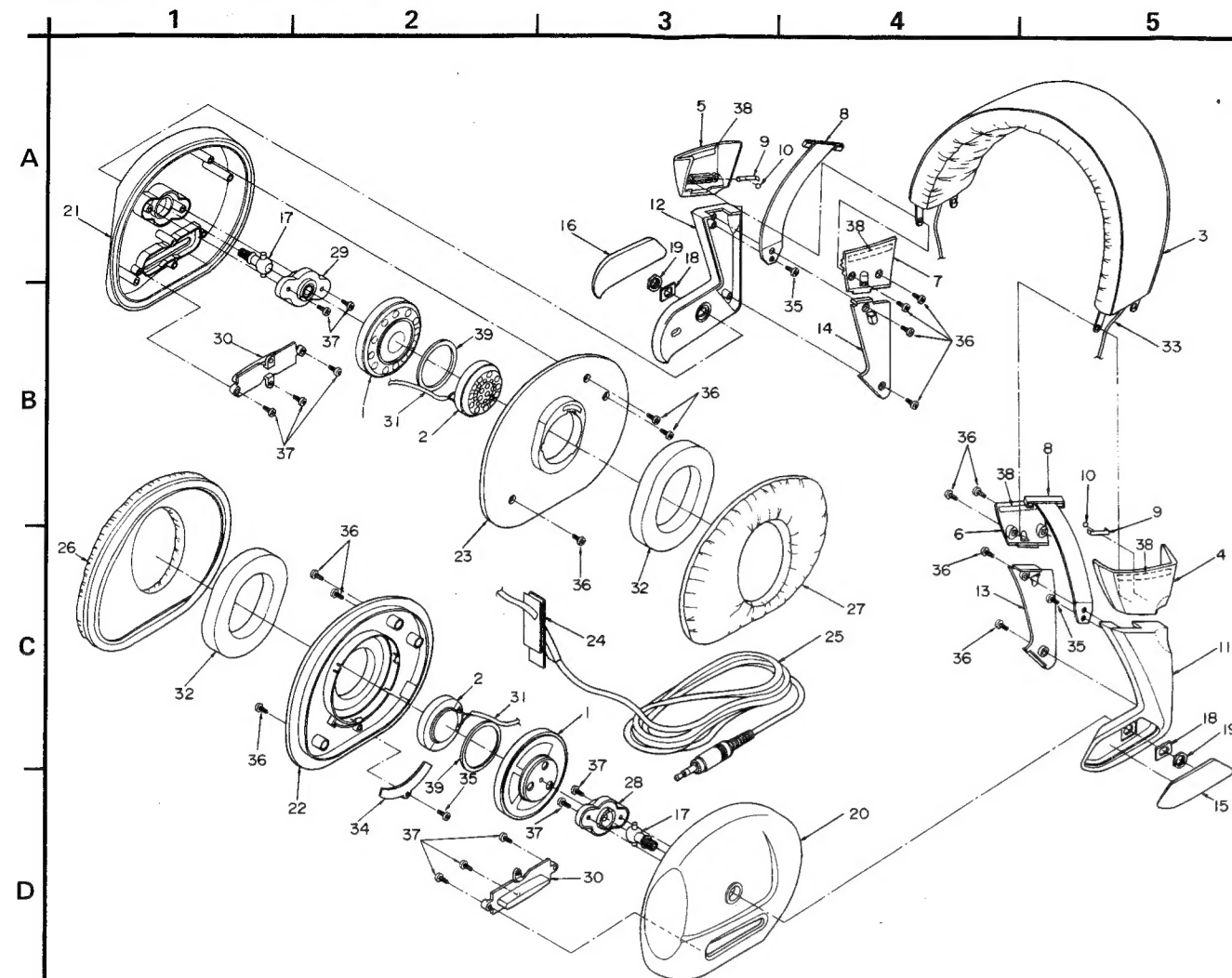


## ■ WIRING CONNECTION DIAGRAM

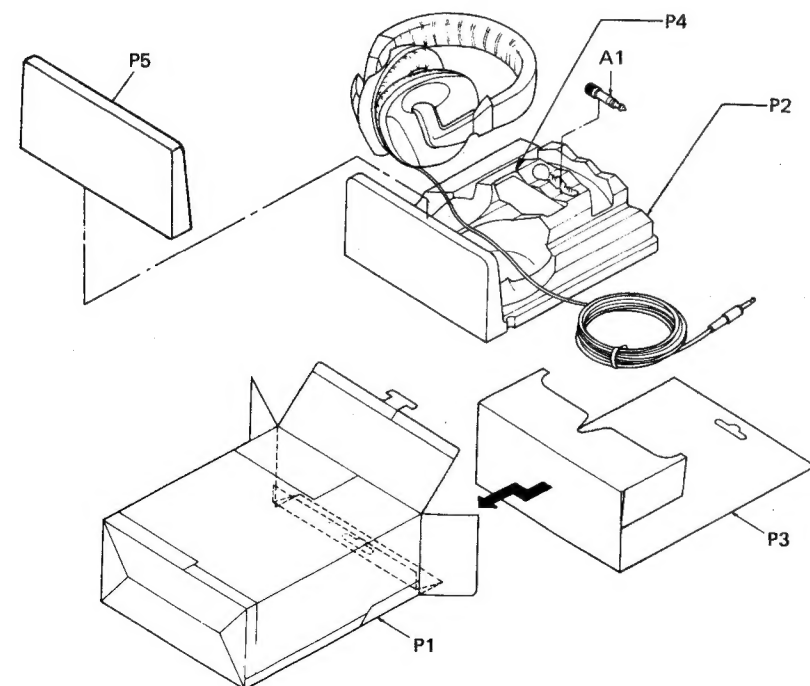


Ref. No. 6	Removal of the hanger cover and hanger (both L and R sides)	 <p>(Fig. 1)</p>  <p>(Fig. 2)</p>  <p>(Fig. 3)</p>  <p>(Fig. 4)</p>  <p>(Fig. 5)</p>	
Procedure 1→2→3→6			
<ol style="list-style-type: none"> <li>1. Insert a thin-ended screwdriver (about 1.5 ~ 2 φ) in the hole (A) of the hanger slant, and pressing it in the arrow direction, remove the hanger plate. (see Fig. 1 and 2) *The hanger plate should be removed slowly and carefully.</li> <li>2. Remove the nut, joint washer, and then the housing. (see Fig. 3)</li> <li>3. Remove 2 screws (① and ②) and take out the hanger cover. (see Fig. 4)</li> <li>4. Remove 1 screw (③) and take out the hanger. (see Fig. 5)</li> </ol>			
Ref. No. 7	Removal of the band holder cover and band holder (both L and R sides)	Ref. No. 8	Removal of the sliders (both L and R sides) and head band
Procedure 1→2→3 →6→7	1. Remove 2 screws (① and ②).	Procedure 1→2→3 →6→7→8	1. Remove the sliders in the respective arrow directions.
 <p>(Fig. 6)</p>  <p>(Fig. 7)</p>		 <p>(Fig. 8)</p>	

# PARTS LOCATION



# PACKAGING



# REPLACEMENT PARTS LIST

Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
		COMPONENT PARTS					
				A1	A0354211301	PLUG ADAPTER	
						CAPACITOR(S)	
1	A00812705	WOOFER UNIT					
2	A00812603	TWEETER UNIT					
3	RFX0387	HEAD PAD ASS'Y		C1, 2	ECEA1CKN100	CAPACITOR 16V 10uF	
4	A0352138403	BAND HOLDER(L)					
5	A0352138303	BAND HOLDER(R)					
6	A0352138101	BAND HOLDER COVER(L)					
7	A0352138201	BAND HOLDER COVER(R)					
8	A0353160801	SLIDER					
9	A0354210901	SPRING					
10	A0134221409	STEEL BALL					
11	A0351001303	HANGER(L)					
12	A0351001203	HANGER(R)					
13	A0352138001	HANGER COVER(L)					
14	A0352137901	HANGER COVER(R)					
15	RFX0388	HANGER PLATE(L) ASS'Y					
16	RFX0389	HANGER PLATE(R) ASS'Y					
17	A0354207401	JOINT					
18	A0354209601	WASHER					
19	A0134415001	NUT					
20	A0351001403	HOUSING(L)					
21	A0351001503	HOUSING(R)					
22	A0352143501	BAFFLE(L)					
23	A0352143601	BAFFLE(R)					
24	A0353160001	CORD BUSHING					
25	A0353809301	INPUT CORD ASS'Y	WITH PLUG				
26	A35-132-55	EAR PAD(L) ASS'Y					
27	A35-132-56	EAR PAD(R) ASS'Y					
28	A0353159701	JOINT HOLDER(L)					
29	A0353166501	JOINT HOLDER(R)					
30	A35-132-54	SWITCH COVER ASS'Y					
31	A0353809401	CORD					
32	A0354215901	INNER PAD					
33	A0353806804	CORD					
34	A0354216601	TERMINAL					
35	A0974002706	SCREW					
36	A0974000708	SCREW					
37	A0974002707	SCREW					
38	A0354204005	TAPE					
39	A0354216001	PACKING					
		PACKING MATERIAL					
P1	RFX0135	GIFT BOX					
P2	RFX0136	BLISTER					
P3	RFX0137	PASTEBOARD					
P4	RFX0138	LABEL					
P5	RFX0141	PASTEBOARD(GOLD)					
		ACCESSORIES					